

Water Use Efficiency Annual Performance Report - 2012

WS Name: DOCKTON WATER ASSOCIATION

Water System ID# : 19550 WS County: KING

Report submitted by: Kelly Robinson

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period 07/01/2012 To 06/30/2013

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	25,733,300 gallons
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Authorized Consumption (AC) – Annual Volume in gallons	19,828,036 gallons
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Distribution System Leakage – Annual Volume TP – AC	5,905,264 gallons
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Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	22.9 %
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3-year annual average - %	23.6 %	2010, 2011, 2012
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Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 07/22/2013

Has goal been changed since last performance report? No

Note: Customer goal must be re-established every 6 years through a public process.

Customer WUE Goal (Demand Side):

Reduce average annual usage per active customer to less than 6,600 cubic feet by 2016.

Customer (Demand Side) Goal Progress:

Our problem is not excessive demand. Our problem is major leaks in the distribution system.

Additional Information Regarding Supply and Demand Side WUE Efforts

Since our last report we have installed one more leak detection meter in the system. We plan to install another next month. This is give us a total of five detection meters covering 100% of the distribution plumbing. We conduct middle-of-the-night tests to detect leaks. Then we call in Evergreen Rural Water to help us locate them.

We have a goal to get our water loss below 10% for each month in a full reporting year before 2016.

Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

All questions are voluntary

Month	Date of Measurement	Static Water Level (feet below measuring point)	Dynamic Water Level (feet below measuring point)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Water level data:

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...)

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface)

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? _____

Month	Volume of Water Produced in gallons
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Water shortage response:

Did you activate any level of water shortage response plan the previous year?

- ☐ Yes ☐ No ☐ There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

- ☐ Advisory Conservation ☐ Voluntary Conservation
☐ Mandatory Conservation ☐ Rationing ☐ Other

What factors caused your water shortage the previous year?

- ☐ Drought ☐ Fire ☐ Landslides ☐ Earthquakes
☐ Flooding ☐ Water Supply Limitations ☐ Other

Do not mail, fax, or email this report to DOH